



11/31/01

CERTIFICATE OF EXPRESS MAILING

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Number **EL721610580US**.

02-02-01

A

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Attorney Docket No.: NVIDP010A

First Named Inventor:

John E. LINDHOLM et al.

11035 U.S. PTO  
09/775086



**UTILITY PATENT APPLICATION TRANSMITTAL (37 CFR. § 1.53(b))**

(Continuation, Divisional or Continuation-in-part application)

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

☐ Duplicate for  
fee processing

Sir, This is a request for filing a patent application under 37 CFR. § 1.53(b) in the name of inventors:

For **METHOD, APPARATUS AND ARTICLE OF MANUFACTURE FOR A TRANSFORM  
MODULE IN A GRAPHICS PROCESSOR**

This application is a ☐ Continuation ☒ Divisional ☐ Continuation-in-part  
of prior Application No.: **09/456,102**, from which priority under 35 U.S.C. §120 is claimed.

Application Elements:

- ☒ 80 Pages of Specification, Claims and Abstract
- ☒ 44 Sheets of Drawings
- ☐ Combined Declaration and Power of Attorney
- ☐ Newly executed (original or copy)
- ☒ Copy from a prior application (37 CFR 1.63(d) for a continuation or divisional). The entire disclosure of the prior application from which a copy of the declaration is herein supplied is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
- ☐ Deletion of inventors Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

Accompanying Application Parts:

- ☒ Copy of the Assignment from a prior application (37 CFR 1.63(d) for a continuation or divisional).
- ☐ Power of Attorney

- ☐ 37 CFR 3.73(b) Statement by Assignee  
☐ Information Disclosure Statement with Form PTO-1449    ☐ Copies of IDS Citations  
☒ Preliminary Amendment (*New claims numbered after highest original claim in prior application.*)  
☒ Return Receipt Postcard  
☐ Small Entity Statement(s)    ☐ Statement filed in prior application. Status still proper and desired.  
☐ Other:

#### Claim For Foreign Priority

- ☐ Priority of \_\_\_\_\_ Application No. \_\_\_\_\_ filed on \_\_\_\_\_ is claimed under 35 U.S.C. § 119.  
☐ The certified copy has been filed in prior application U.S. Application No. \_\_\_\_\_  
☐ The certified copy will follow.

#### Extension of Time for Prior Pending Application

A Petition for Extension of Time is being concurrently filed in the prior pending application. A copy of the Petition for Extension of Time is attached.

#### Amendments

Amend the specification by inserting before the first line the sentence: "This is a  
☐ Continuation    ☐ Continuation-in-part    ☒ Divisional  
 application of copending prior  
☒ Application No. 09/456,102 filed on 12/06/99,  
☐ International Application \_\_\_\_\_ filed on \_\_\_\_\_ which  
 designated the United States,  
 the disclosure of which is incorporated herein by reference."

- ☒ Cancel in this application original claims 23-61 of the prior application  
 before calculating the filing fee. (*At least one original independent claim must be retained.*)

#### Fee Calculation (37 CFR § 1.16)

	(Col. 1) <u>NO. FILED</u>	(Col. 2) <u>NO. EXTRA</u>	<u>SMALL ENTITY</u> <u>RATE</u>	<u>OR</u>	<u>LARGE ENTITY</u> <u>RATE</u>	<u>FEE</u>
BASIC FEE			\$355	\$	OR	\$710 \$ 710.00
TOTAL CLAIMS	<u>30</u> -20 = <u>10</u>		x09 = \$	OR	x18 = \$	\$ 180.00
INDEP CLAIMS	<u>03</u> -03 = <u>0</u>		x40 = \$	OR	x80 = \$	\$ 0.00
[ ] Multiple Dependent Claim Presented			\$135 = \$	OR	\$270 = \$	\$ 0.00
* If the difference in Col. 1 is less than zero, enter "0" in Col. 2.			Total \$	OR	Total \$	\$ 890.00

☒ Check No. 298 in the amount of \$ 890.00 is enclosed.

☐ No fees enclosed, please charge Deposit Account No. 50-1351 (Order No. NVIDP010A)

☒ The Commissioner is authorized to charge any fees beyond the amount enclosed which may be required, or to credit any overpayment, to Deposit Account No. 50-1351 (Order No. NVIDP010A).

General Authorization for Petition for Extension of Time (37 CFR §1.136)

☒ Applicants hereby make and generally authorize any Petitions for Extensions of Time as may be needed for any subsequent filings. The Commissioner is also authorized to charge any extension fees under 37 CFR §1.17 as may be needed to Deposit Account No. 50-1351 (Order No. NVIDP010A).

☒ Please send correspondence to the following address:

CARLTON FIELDS  
P. O. Box 721030  
San Jose, California 95172-1030  
(408) 271-2300

**\*24277\***

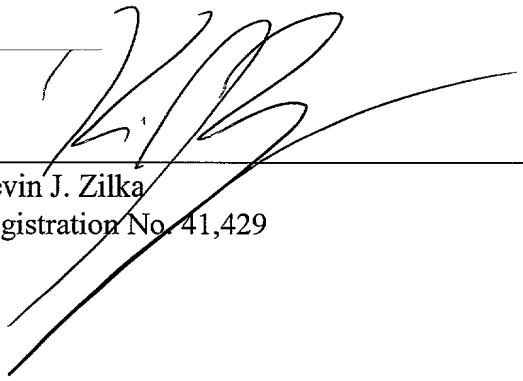
Customer No.::

**24277**

PATENT TRADEMARK OFFICE

Date:

1/31/04

  
\_\_\_\_\_  
Kevin J. Zilka  
Registration No. 41,429

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of )  
)  
LINDHOLM et al. ) Group Art Unit: Unassigned  
)  
Application No. Unassigned ) Examiner: Unassigned  
)  
Filed: Herewith ) Attorney Docket No. NVIDP010A  
)  
For: METHOD, APPARATUS AND )  
ARTICLE OF MANUFACTURE ) Date: January 31, 2001  
FOR A TRANSFORM MODULE )  
IN A GRAPHICS PROCESSOR )  
\_\_\_\_\_ )

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231 on January 31, 2001.

Signed: \_\_\_\_\_

Erica L. Mann

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, DC 20231

Dear Sir:

Prior to substantive Examination of the above-identified patent application, please enter the following.

IN THE SPECIFICATION

Please delete lines 7-24 on page 1, and insert therefor, -- The present application is a continuation of a parent application entitled "A Transform, Lighting and Rasterization System Embodied on a Single Semiconductor Platform," and filed December 06, 1999 under serial number 09/454,516. The present application is further related to applications entitled "Method, Apparatus and Article of Manufacture for Area Rasterization using Sense Points" which was filed on December 06, 1999 under serial number 09/455,305, and attorney docket number NVIDP005, "Method, Apparatus and Article of Manufacture for Boustrophedonic Rasterization" which was filed on December 06, 1999 under serial number 09/454,505, and attorney docket number NVIDP006, "Method, Apparatus and Article of Manufacture for Clip-less Rasterization using Line Equation-based Traversal" which was filed on December 06, 1999 under serial number 09/455,728, and

attorney docket number NVIDP007, "Method, Apparatus and Article of Manufacture for Transform, Lighting and Rasterization on a Single Semiconductor Platform" which was filed on December 06, 1999 under serial number 09/454,516, and attorney docket number NVIDP008, "Method, Apparatus and Article of Manufacture for a Vertex Attribute Buffer in a Graphics Processor" which was filed on December 06, 1999 under serial number 09/454,525, and attorney docket number NVIDP009, "Method and Apparatus for a Lighting Module in a Graphics Processor" which was filed on December 06, 1999 under serial number 09/454,524, and attorney docket number NVIDP011, and "Method, Apparatus and Article of Manufacture for a Sequencer in a Transform/Lighting Module Capable of Processing Multiple Independent Execution Threads" which was filed on December 06, 1999 under serial number 09/456,104, and attorney docket number NVIDP012 which were filed concurrently herewith, and which are all incorporated herein by reference in their entirety.--

On page 7, please delete lines 8-11, and insert therefore:

--Figures 1 and 1A illustrate the prior art;--

IN THE CLAIMS

Please cancel claims 23-61.

REMARKS

During a review of the above-identified patent application it was noted that a couple of minor inconsistencies existed between the Figures and the written specification. Accordingly, the present document amends this patent application in order to render it self-consistent. No new matter has been added.

Respectfully submitted,  
CARLTON FIELDS

Kevin J. Zilka  
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